

ABSTRACT

For example, N-[N-(3,3-dimethylbutyl)-L- α -aspartyl]-L-phenylalanine methyl ester (A-type crystal) showing characteristic peaks in diffractive X-ray at diffraction angles (2θ , CuK α ray) of at least 6.0° , 24.8° , 8.2° and 16.5° is dried to its water content below 3 % by weight. The crystal thus dried is a novel crystal (C-type crystal) of N-[N-(3,3-dimethylbutyl)-L- α -aspartyl]-L-phenylalanine methyl ester excellent in dissolution rate, and when measured by powder X-ray diffractometry, this crystal shows characteristic peaks in diffractive X-ray at diffraction angles (2θ , CuK α ray) of at least 7.1° , 19.8° , 17.3° and 17.7° . The dissolution rate (solubility) of the C-type crystals is further improved by converting the crystals into granules.